

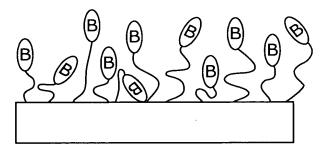
Applicant: Langer, et al.

Title: Modification of Surfaces Using Biological Recognition

Events

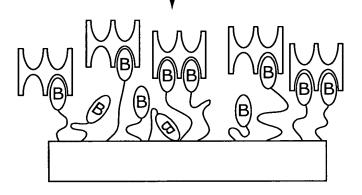
Reference No.: 0492611-0335/MIT-8070





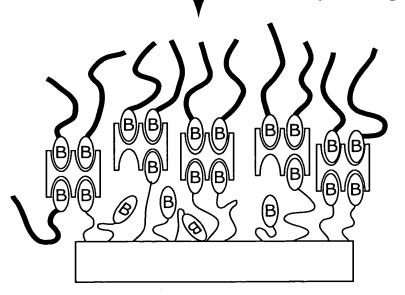
PLA-PEG-biotin surface with biotin presented on flexible PEG chains

Incubation in aq. solution of avidin



Avidin

Wash away excess avidin and incubate with biotinylated ligand



= Biotinylated ligand

FIG. 1



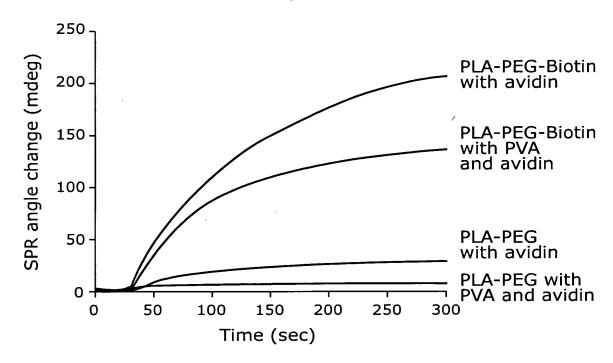
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	θ <sub>SPR</sub> change (mdeg)	
	0.5 µg/ml avidin	0.5 µg/ml avidin after PVA
PLA-PEG-Biotin	211±13	140±24
PLA-PEG	34±8	5±3

FIG. 2



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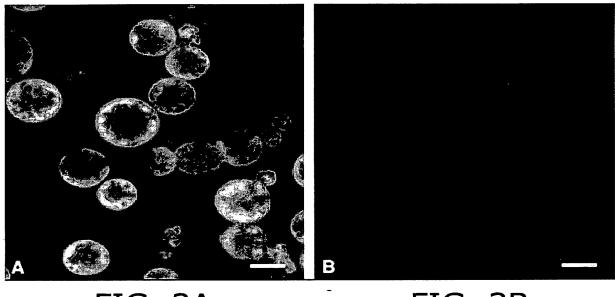
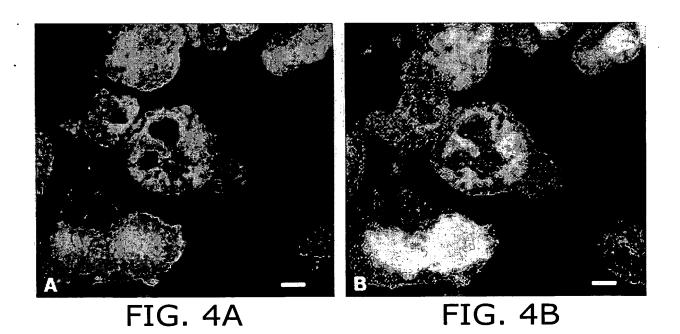


FIG. 3A

FIG. 3B





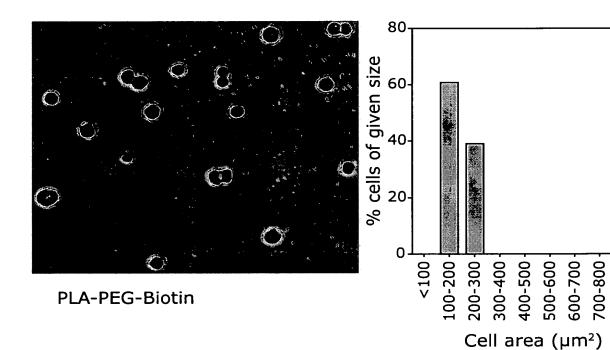
Applicant: Langer, et al.

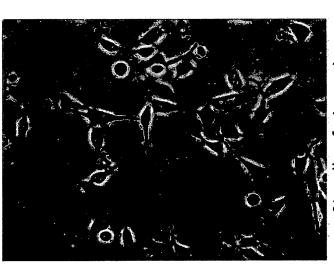
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PLA-PEG-Biotin incubated with avidin & biotin-G(11) GRGDS

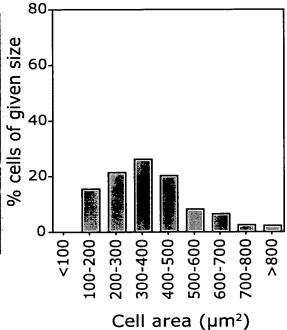


FIG. 5

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